

GenCore version 4.5  
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OM protein - protein search, using sw model

Run on: August 2, 2002, 08:39:30 ; Search time 13.11 Seconds

Sequence: (without alignments)  
612.969 Million cell updates/sec

Title: US-09-534-825a-299  
Perfect score: 1713  
Sequence: 1 MDIVVSGSHPLWVDSFLHLA..... VSSQDLERRPESMLFLVIM 329  
Scoring table: BLOSUM62  
Gpop 10.0 , Gapext 0.5

S ad: 231628 seqs, 24425594 residues

Total number of hits satisfying chosen parameters: 231628

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued\_Patents\_AA:\*

1: /con2\_6/podata/2/iaa/5A\_COMB.pep: \*  
2: /con2\_6/podata/2/iaa/5B\_COMB.pep: \*  
3: /con2\_6/podata/2/iaa/6A\_COMB.pep: \*  
4: /con2\_6/podata/2/iaa/6B\_COMB.pep: \*  
5: /con2\_6/podata/2/iaa/PCUTUS\_COMB.pep: \*  
6: /egn2\_6/podata/2/iaa/backfilest.pep: \*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

#

Result No.

Score

Match

Length

DB ID

Description

Sequence 376, App

Sequence 532, App

Sequence 379, App

Sequence 380, App

Sequence 378, App

Sequence 377, App

Sequence 33, Appl

Sequence 33, Appl

Sequence 10, Appl

Sequence 139, App

Sequence 2, Appl

Sequence 2, Appl

Sequence 2, Appl

Sequence 5, Appl

Sequence 4, Appl

Sequence 4, Appl

Sequence 4, Appl

Sequence 3, Appl

Sequence 2, Appl

Sequence 1, Appl

Sequence 1, Appl

Sequence 23, Appl

Sequence 23, Appl

Sequence 38, Appl

Sequence 38, Appl

Sequence 17, Appl

Sequence 17, Appl

Sequence 2, Appl

Sequence 17, Appl

Sequence 334, App

Sequence 28, Appl

Sequence 28, Appl

Sequence 28, Appl

Sequence 3, Appl

Sequence 18, Appl

RESULT 1 US-09-439-313-376  
; Sequence 376, Application US/09439313  
; Patent No. 6329505  
; GENERAL INFORMATION:  
; APPLICANT: Xu, Jiangchun  
; APPLICANT: Dillon, Davin C.  
; APPLICANT: Mitcham, Jennifer L.  
; APPLICANT: Harlocke, Susan Louise  
; APPLICANT: Jiang, Yugui  
; APPLICANT: Reed, Steven G.  
; APPLICANT: Kalos, Michael  
; APPLICANT: Fanger, Gary  
; APPLICANT: Rettler, Mark  
; APPLICANT: Soik, John  
; APPLICANT: Day, Craig  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND  
; CURRENT APPLICATION NUMBER: US/09/439,313  
; CURRENT FILING DATE: 1999-11-12  
; NUMBER OF SEQ ID NOS: 575  
; SOFTWARE: FastSEQ for Windows Version 3.0  
; SEQ ID NO: 375  
; LENGTH: 329  
; TYPE: PRT  
; ORGANISM: Homo sapien  
; US-09-439-313-376

Query Match 100.0%; Score 1713; DB 4; length 329;  
Best Local Similarity 100.0%; Pred. No. 5.7e-18;  
Matches 329; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDIVVSGSHPLWVDSFLHLA..... VSSQDLERRPESMLFLVIM 60  
Db 1 MDIVVSGSHPLWVDSFLHLA..... VSSQDLERRPESMLFLVIM 60

QY 61 HFWRPRQLCEDAWEFOEVWVVLPLPLOGSCKSNVVAWGDXDDSAFMDPRYHGDEDL 120  
Db 61 HFWRPRQLCEDAWEFOEVWVVLPLPLOGSCKSNVVAWGDXDDSAFMDPRYHGDEDL 120

QY 121 KLRHAAWKGKVPRKDLYMLRDYDVKRDQKRTALHLASANGNSEVVKLVLDRCQLNV 180  
Db 121 KLRHAAWKGKVPRKDLYMLRDYDVKRDQKRTALHLASANGNSEVVKLVLDRCQLNV 180

QY 181 LDNNKRTALTAKVOCQEDCALMLEHGTDPNPDEGVNTIHYAVNEDKLMALKALLY 240  
Db 181 LDNNKRTALTAKVOCQEDCALMLEHGTDPNPDEGVNTIHYAVNEDKLMALKALLY 240

RESULT 2  
US-09-439-313-532  
Sequence 532, Application US/09439313  
; GENERAL INFORMATION:  
; Patent No. 6329505  
; ;  
; APPLICANT: Xu, Jiangchun  
; APPLICANT: Dillon, Davin C.  
; APPLICANT: Mitcham, Jennifer L.  
; APPLICANT: Harlocker, Susan Louise  
; APPLICANT: Reed, Steven G.  
; APPLICANT: Kalos, Michael  
; APPLICANT: Rettner, Gary  
; APPLICANT: Solk, John  
; APPLICANT: Day, Craig  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND  
; DIAGNOSIS OF PROSTATE CANCER  
; FILE REFERENCE: 210121.427C9  
; CURRENT APPLICATION NUMBER: US/09/439, 313  
; CURRENT FILING DATE: 1999-11-12  
; NUMBER OF SEQ ID NOS: 575  
; SOFTWARE: FastSEQ for Windows Version 3.0  
; SEQ ID NO 379  
; LENGTH: 656  
; TYPE: PRT  
; ORGANISM: Homo sapien  
; US-09-439-313-379  
  
Query Match 73.1%; Score 1253; DB 4; Length 292;  
Best Local Similarity 98.8%; Pred. No. 2.7e-15; 1; Mismatches 2; Indels 0; Gaps 0;  
Matches 241; Conservative 1;  
  
QY 86 PLILOGSGKSNVVAWGDXDSAFAFPDRYHVGEDLDKLHRAAWKGKYPRKDILVMRDTDV 145  
| :||||| :||||| :||||| :||||| :||||| :||||| :||||| :||||| :||||| :||||| :||||| :||||| :|||||  
Db 49 PCCRGSGSKSNVVAWGDXDSAFAFPDRYHVGEDLDKLHRAAWKGKYPRKDILVMRDTDV 108  
  
QY 146 NKRDQKRTHHASANGNSEVVKLVIDRRCQJNLVNDKKRPAALKAVQOCODECALML 205  
| :||||| :||||| :||||| :||||| :||||| :||||| :||||| :||||| :||||| :||||| :||||| :||||| :|||||  
Db 109 NKRDQKRTHHASANGNSEVVKLVIDRRCQJNLVNDKKRPAALKAVQOCODECALML 168  
  
Q 206 EHGTDPNIPDEYGNITLHYAVYEDKLMALKALLYGADIESKNKHGTLPLLGTHQKQO 265  
| :||||| :||||| :||||| :||||| :||||| :||||| :||||| :||||| :||||| :||||| :||||| :||||| :|||||  
Db 169 EHGTDPNIPDEYGNITLHYAVYEDKLMALKALLYGADIESKNKHGTLPLLGTHQKQO 228  
  
QY 266 WKFLIKKANLNALDRYGRRTALTLAVCGGSASIVSPLEONDVSSQDL 315  
| :||||| :||||| :||||| :||||| :||||| :||||| :||||| :||||| :||||| :||||| :||||| :||||| :|||||  
Db 229 WKFLIKKANLNALDRYGRRTALTLAVCGGSASIVSPLEONDVSSQDL 288  
  
QY 326 VIM 329  
| :|||  
Db 289 VIM 292  
  
RESULT 3  
US-09-439-313-379  
Sequence 379, Application US/09439313  
; GENERAL INFORMATION:  
; Patent No. 6329505  
; ;  
; APPLICANT: Xu, Jiangchun  
; APPLICANT: Dillon, Davin C.  
; APPLICANT: Mitcham, Jennifer L.  
; APPLICANT: Harlocker, Susan Louise  
  
Query Match 66.3%; Score 1136; DB 4; Length 671;  
; Sequence 380, Application US/09439313  
; Patent No. 6329505  
; ;  
; APPLICANT: Xu, Jiangchun  
; APPLICANT: Dillon, Davin C.  
; APPLICANT: Mitcham, Jennifer L.  
; APPLICANT: Harlocker, Susan Louise  
; APPLICANT: Reed, Steven G.  
; APPLICANT: Kalos, Michael  
; APPLICANT: Rettner, Gary  
; APPLICANT: Solk, John  
; APPLICANT: Day, Craig  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND  
; DIAGNOSIS OF PROSTATE CANCER  
; FILE REFERENCE: 210121.427C9  
; CURRENT APPLICATION NUMBER: US/09/439, 313  
; CURRENT FILING DATE: 1999-11-12  
; NUMBER OF SEQ ID NOS: 575  
; SOFTWARE: FastSEQ for Windows Version 3.0  
; SEQ ID NO 380  
; LENGTH: 671  
; TYPE: PRT  
; ORGANISM: Homo sapien  
; US-09-439-313-380  
  
Query Match 66.3%; Score 1136; DB 4; Length 671;



CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/031,485  
 FILING DATE: ;  
 CLASSIFICATION: 530  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: US/08/847,429  
 FILING DATE: 24-APR-1997  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Verser, Carol Talkington  
 REGISTRATION NUMBER: 37,459  
 REFERENCE/DOCKET NUMBER: HW-5  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 970/493-7272  
 TELEFAX: 970/484-9505  
 INFORMATION FOR SEQ ID NO: 33:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1745 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-09-031-485-33

Query Match 12.5%; Score 214.5; DB 2; Length 1745;  
 Best Local Similarity 25.1%; Pred. No. 5.8e-15; Indels 65; Gaps 11;  
 Matches 88; Conservative 57; Mismatches 141; Indels 65; Gaps 11;

QY 17 LHLAGS-DLISRSIMAAEETTIVHASIFSCISSLDGGEREQRGHFWRPRQLCEDAWE 75  
 Db 334 LHMAQVDPDVYVYLTHVAAHGHRVAKLILNDPVARALNGFTPPLHACKNRI 393  
 QY 76 QEVQVLP-----LFLPLOGS-GKSNVVAW---GDYDDSAFMDPRYHVGE 117  
 Db 394 KIVELLKKHAIAETTESGLSPHLVAFAFMGAINTIVYLLQOGANADVA----TVRG 447  
 QY 118 DLDKLHRAAWMGKVPRKLL-VMLRD-TDVKRKDKORTALHLASANGNSEVVKLVDRR 175  
 Db 448 --TPLHLAA--RANQTDIVRLVNRNGAQDAAREQTPHLIASLGNPDIVILLQAN 502  
 Db 176 CQLNVLNDKKRTALKAVQOCQEDCALMLEIGTDPNPDEGVNTLHYAVNEDKLMAK 235  
 QY 263 KOQVVKFLKKKANLADRYGRTALILAVCCGSASTIVSPLEQNDVSSQ 313  
 Db 623 QMDIASTLHHYKANAESKAGFTPLHLAAQEHREMAALLIENGAKVGAO 673

Query Match 12.5%; Score 214.5; DB 2; Length 1745;  
 Best Local Similarity 25.1%; Pred. No. 5.8e-15; Indels 65; Gaps 11;  
 Matches 88; Conservative 57; Mismatches 141; Indels 65; Gaps 11;  
 QY 17 LHLAGS-DLISRSIMAAEETTIVHASIFSCISSLDGGEREQRGHFWRPRQLCEDAWE 75  
 Db 334 LHMAQVDPDVYVYLTHVAAHGHRVAKLILNDPVARALNGFTPPLHACKNRI 393  
 QY 76 QEVQVLP-----LFLPLOGS-GKSNVVAW---GDYDDSAFMDPRYHVGE 117  
 Db 394 KIVELLKKHAIAETTESGLSPHLVAFAFMGAINTIVYLLQOGANADVA----TVRG 447  
 QY 118 DLDKLHRAAWMGKVPRKLL-VMLRD-TDVKRKDKORTALHLASANGNSEVVKLVDRR 175  
 Db 448 --TPLHLAA--RANQTDIVRLVNRNGAQDAAREQTPHLIASLGNPDIVILLQAN 502  
 Db 176 CQLNVLNDKKRTALKAVQOCQEDCALMLEIGTDPNPDEGVNTLHYAVNEDKLMAK 235  
 QY 263 KOQVVKFLKKKANLADRYGRTALILAVCCGSASTIVSPLEQNDVSSQ 313  
 Db 623 QMDIASTLHHYKANAESKAGFTPLHLAAQEHREMAALLIENGAKVGAO 673

RESULT 8  
 US-08-847-429A-33  
 Sequence 33, Application US/08847429A  
 Patient No. 5827692  
 GENERAL INFORMATION:  
 APPLICANT: Tang, Liang  
 APPLICANT: Blehm, E. Scott  
 TITLE OF INVENTION: DIFILARIA AND BRUGIA ANKYRIN  
 TITLE OF INVENTION: PROTEINS, NUCLEIC ACID MOLECULES, AND  
 TITLE OF INVENTION: USES THEREOF  
 NUMBER OF SEQUENCES: 85  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Carol Talkington Verser, Ph.D.  
 STREET: 1825 Sharp Point Drive  
 CITY: Fort Collins  
 STATE: Colorado  
 COUNTRY: USA  
 ZIP: 80525  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk

RESULT 9  
 US-09-065-474-33  
 Sequence 33, Application US/09065474  
 Patient No. 6063599  
 GENERAL INFORMATION:  
 APPLICANT: Tang, Liang  
 APPLICANT: Blehm, E. Scott  
 TITLE OF INVENTION: DIFILARIA AND BRUGIA ANKYRIN  
 TITLE OF INVENTION: PROTEINS, NUCLEIC ACID MOLECULES, AND  
 TITLE OF INVENTION: USES THEREOF  
 NUMBER OF SEQUENCES: 171  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Carol Talkington Verser, Ph.D.  
 STREET: 1825 Sharp Point Drive  
 CITY: Fort Collins  
 STATE: Colorado  
 COUNTRY: USA  
 ZIP: 80525  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible  
OPERATING SYSTEM: Windows 95  
SOFTWARE: WordPerfect for Windows, Version 7.0  
APPLICATION APPLICATION DATA:  
APPLICATION NUMBER: US-09/065,474  
FILING DATE: 24-APR-1998

CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Verser, Carol Talkington  
REGISTRATION NUMBER: 37,459  
REFERENCE/DOCKET NUMBER: HW-5-C1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 970/493-7272  
TELEFAX: 970/484-9505  
INFORMATION FOR SEQ ID NO: 33:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1745 amino acids  
TYPE: amino acid  
MOLECULE TYPE: protein  
US-09-065-474-33

Query Match Best Local Similarity 12.5%; Score 214; DB 3; Length 1745;  
Best Local Similarity 25.1%; Pred. NO. 5.8e-15; DB 3; Length 1745;  
Matches 88; Conservative 51; Mismatches 141; Indels 65; Gaps 11;

QY 17 LHLAGS-DILRSRSLMAEETIVHASFISISSLDGQERQEQRGHFWPRQLCDAE 75  
Db 3341 LHMAAQDVDPDVTVDLTPLVAARQGHVYAKLUDRNAPNARALNGTPLAKRN 393  
QY 76 QEVQVLP-----LLPQQGS-GKSNVAW---GDYDDSAFMDFPRYHIGE 117  
Db 394 KIVELILKKYHAATEATTESSGLSPHLVAARFGMAINTIVLULQGANADA----TYRGE 447  
QY 118 DLDKLHRRAWKGKVPRKDII-VMRD-TDVNKDRQKRHLASANGUNSEVVKLVLR 175  
Db 448 --TPLHLAA--BANQTVLVRVLNRQVDAARELOPLHIASTRGLNTDVILLQAN 502  
QY 176 CQNLVLDNKRKTALTAVQCOQEDCALMILEGTDPNIPDEGTTHYAVNEDKLMK 235  
Db 503 ASPNAAATRELYTLHIAKKEGODEVAATLMDHDNDKTUTKCFPLHLAAKYGPNVPAK 562  
QY 236 ALLYG--ADIESKN-----KHLGTPULLGTHEQ 262  
Db 563 SLLERGPVDIEKGNOVTPHLVAHYNNDKVALLENGASAHAANKGYPLHIAKKN 622  
QY 263 KQOVVKELIKKANLNAIDRYGFTALIAVCCGSASTIVSPLEONVDSQ 313  
Db 623 QMDIASTLILHYKANANESKAGFTPLHLAAQECHREMANLIENGAKVGAQ 673

RESULT 10  
US-08-810-712-10  
Sequence 10, Application US/08810712G  
; GENERAL INFORMATION:  
; APPLICANT: Yeda Research and Development Co. LTD  
; TITLE OF INVENTION: Tumor Suppressor Genes, Proteins Encoded Thereby and  
; FILE REFERENCE: sequenclist  
; CURRENT APPLICATION NUMBER: US/08-810,712G  
; CURRENT FILING DATE: 1997-03-03  
; EARLIER APPLICATION NUMBER: PCT/US94/11598  
; EARLIER FILING DATE: 1994-10-12  
; NUMBER OF SEQ ID NOS: 31  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO: 10  
; LENGTH: 1423  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-08-810-712-10

Query Match Best Local Similarity 12.2%; Score 209; DB 4; Length 1423;  
Best Local Similarity 28.5%; Pred. NO. 1.8e-14; DB 4; Length 1423;  
Matches 71; Conservative 39; Mismatches 117; Indels 22; Gaps 7;

QY 88 LQGSGSISNVVAW--GDYDDSAFM-DPRFHVGSDD--KLHRAWGVKPYRDLIV 139  
Db 399 VQDKGGSNAYWAARTAIGHVDTLKFISENKCOPDVKDSKGEMALHVARYGHADVQTC 458  
QY 140 LRDTDVNKDRQKRHLASANGUNSEVVKLVLDRCOLNLDNKKR-LITKAWQCOED 198  
Db 459 ASAQPISRSTKEETPLHCAWGHYSVAKCEAGCNVNIKRGETPILTASRGYHD 518  
QY 199 -ECAMMLLEGTDPDNIPDEGTTHYAVNEDKLMKAKALLYGADIESRNKGILGPL 256  
Db 519 IVEC--LAEHGADINACDKDGHITALVATRRCQMEVIKTILSOGCFVDYQDRHGNTPH 575  
QY 257 LGIHQKOOVFKLIRKKANALRQYGRALTIAVCCGSASTIVSPLEONVDSQ 310  
Db 576 VACKQGNMPITVALCEANCNLDISNKYGRIPLHLANNGILDVVYRLCLMGASVETTD 635  
QY 311 --SSODLER 317  
Db 636 GKTABDALAR 644

RESULT 11  
US-09-065-474-339  
; Sequence 139, Application US/09065474  
; Patent No. 6063599  
; GENERAL INFORMATION:  
; APPLICANT: Tang, Liang  
; ADDRESS: Carol Talkington Verser, Ph.D.  
; TITLE OF INVENTION: DIROFILARIAN AND BRUGIAN ANKYRIN PROTEINS, NUCLEIC ACID MOLECULES, AND THEIR USE THEREOF  
; NUMBER OF SEQUENCES: 171  
; CORRESPONDENCE ADDRESS:  
; STREET: 1925 Sharp Point Drive  
; CITY: Fort Collins  
; STATE: Colorado  
; COUNTRY: USA  
; ZIP: 80525  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: FLOPPY DISK  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: Windows 95  
; SOFTWARE: WordPerfect for Windows, Version 7.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/065,474  
; FILING DATE: 24-APR-1998  
; CLASSIFICATION:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Verser, Carol Talkington  
; REGISTRATION NUMBER: 37,459  
; REFERENCE/DOCKET NUMBER: HW-5-C1  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 970/493-7272  
; TELEFAX: 970/484-9905  
; INFORMATION FOR SEQ ID NO: 139:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 352 amino acids  
; TYPE: amino acid  
; TOROLOGY: linear  
; MOLECULE TYPE: protein  
US-09-065-474-139

Query Match Best Local Similarity 12.1%; Score 208; DB 3; Length 352;



SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/735,716

FILING DATE: 23-OCT-1996

CLASSIFICATION: 424

PRIORITY APPLICATION DATA:

APPLICATION NUMBER: US/08/281,193

FILING DATE: 27-JUL-1994

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 752 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-735-716-2

REGISTRATION NUMBER: 32,724  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (617) 498-8224  
 TELEX/FAX: (617) 876-5512  
 INFORMATION FOR SEQ ID NO: 2:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 752 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein

US-08-555-568B-2

Query Match 12.1%; Score 206.5; DB 2; Length 752;  
 Best Local Similarity 22.9%; Pred. No. 1.2e-14; Mismatches 53; Indels 89; Gaps 10;  
 Matches 77; Conservative 53; MisMatches 117; Insertions 117; Deletions 89; Gaps 10;

Qy 8 SHPLWDSFLHAGDSLRSLSRSLMAEEYTVHASPTISCISSLDGGERQERGHRWRPQR 67  
 Db 116 SHPSW-TVTHLAVE-----LGIRECFHHSRILISCANSTENEG-----CTPLH 157  
 Qy 68 LLC-----EDAWEOEQV---WVPLPLQSGSKSNV 97  
 Db 158 LACKGDSELLVELVQKCHAMDVTDNKGETAFHYAVQGDNSQVQLQGLKNASAGLNQVN 217  
 Qy 98 AWGDDYDSAFKDP-----RYHVGEDDLKHLRAAWWGKVPRKD 136  
 Db 218 KQG-----LTPHLACQMGKQEMVRVLLCANCNVGMPSGFPIHTAMKFSGKAEM 270  
 Qy 137 IVMRLDTDVNKR-KQRTAHLHASANGNSEVVKLDRRCOLNLWDNKKRALTAVOC 195  
 Db 271 IISMDSQSIHKSDPQRYGASPLHWAK--NAEMARMLLKRCGDVDTSAAAGNTALHVAMR 327  
 Qy 137 IVMRLDTDVNKR-KQRTAHLHASANGNSEVVKLDRRCOLNLWDNKKRALTAVOC 195  
 Db 271 IISMDSQSIHKSDPQRYGASPLHWAK--NAEMARMLLKRCGDVDTSAAAGNTALHVAMR 327  
 Qy 196 QEDECALMLLEHGIDTPNIPDEYGNLTHAVYNEDKLMAKALLYGADIESKNGHGTPL 255  
 Db 328 NRFDCEVWVLTGAGTGTGEGHNPPLHAIISKDNMEMIKALIVFGAEVDTPNDFGETPA 387  
 Qy 256 LLGIGHEQKQQVVFLLKKKANALDRYGRALILA 291  
 Db 388 FMASKISKQ-----LODLMPISRARKPAFILS 414

R 15

US-08-555-568B-2  
 Sequence 2, Application US/08555568B  
 Patent No. 597654

GENERAL INFORMATION:

APPLICANT: Jones, Simon

APPLICANT: Tang, Jim

TITLE OF INVENTION: Calcium Independent Phospholipase A2/B

NUMBER OF SEQUENCES: 25

CORRESPONDENCE ADDRESS:

ADDRESSEE: Genetics Institute, Inc.

STREET: 87 Cambridge Park Drive

CITY: Cambridge

STATE: Massachusetts

COUNTRY: U.S.A.

ZIP: 02140

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/555,568B

FILING DATE: 08/08/2002

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Y Brown, Scott A.

Search completed: August 2, 2002, 08:44:06

Job time: 276 sec

Fri Aug 2 09:28:57 2002

us-09-534-825a-299rai

\*4 45. 193.0 11.3 2525 - - 16. - -

## ALIGNMENTS

RESULT 1  
 US-09-439-313-376  
 ; Sequence 376, Application US/09439313  
 ; Patent No. 6329505  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Xu, Jiangchun  
 ; APPLICANT: Dillon, Davin C.  
 ; APPLICANT: Mitcham, Jennifer L.  
 ; APPLICANT: Harlocker, Susan Louise  
 ; APPLICANT: Jiang Yuqui  
 ; APPLICANT: Reed, Steven G.  
 ; APPLICANT: Kalos, Michael  
 ; APPLICANT: Fanger, Gary  
 ; APPLICANT: Retter, Mark  
 ; APPLICANT: Solk, John  
 ; APPLICANT: Day, Craig  
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND  
 ; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER  
 ; FILE REFERENCE: 210121.427C9  
 ; CURRENT APPLICATION NUMBER: US/09/439,313  
 ; CURRENT FILING DATE: 1999-11-12  
 ; NUMBER OF SEQ ID NOS: 575  
 ; SOFTWARE: FastSEQ for Windows Version 3.0  
 ; SEQ ID NO 376  
 ; LENGTH: 329  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapien  
 US-09-439-313-376

Query Match 100.0%; Score 1713; DB 4; Length 329;  
 Best Local Similarity 100.0%; Pred. No. 5.7e-188;  
 Matches 329; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1 MDIVVSGSHPLWVDSFLHLAGSDLLRSLSLMAEYTIVHASFISCISSLDGQGERQEORG 60
Db	1 MDIVVSGSHPLWVDSFLHLAGSDLLRSLSLMAEYTIVHASFISCISSLDGQGERQEORG 60
Qy	61 HFWRPQRLLCEDAWEQEVQVVLPLLQLQSGKSNVVAWDYDDSAFMDPRYHVHGEDLD 120
Db	61 HFWRPQRLLCEDAWEQEVQVVLPLLQLQSGKSNVVAWDYDDSAFMDPRYHVHGEDLD 120
Qy	121 KLHRAAWWGKVPRKDILVMLRDTDVNKRDKQKRTALHLASANGNSEVVKLVLDRRCQLNV 180
Db	121 KLHRAAWWGKVPRKDILVMLRDTDVNKRDKQKRTALHLASANGNSEVVKLVLDRRCQLNV 180
Qy	181 LDNKRTALTAKAVQCQEDCALMELLEHGTDPNIPDEYGNNTLHYAVVNEDKLMAKALLLY 240
Db	181 LDNKRTALTAKAVQCQEDCALMELLEHGTDPNIPDEYGNNTLHYAVVNEDKLMAKALLLY 240

Qy	241 GADIESKNKHGLTPLLLGIHEQKQQVKFLIKKKANLNALDRYGRITALILAVCCGSASIV 300
Db	241 GADIESKNKHGLTPLLLGIHEQKQQVKFLIKKKANLNALDRYGRITALILAVCCGSASIV 300
Qy	301 SPLLEQNVDVSSQDLERRPESMLFLVIIM 329
Db	301 SPLLEQNVDVSSQDLERRPESMLFLVIIM 329

RESULT 2

